



Practitioner's Docket No.: 782\_208

2821  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Yukihiisa TAKEUCHI, Tsutomu NANATAKI, Iwao  
OHWADA and Tomoya HORIUCHI

Ser. No.: 10/027,232

Art Unit: 2821

Filed: December 20, 2001

Examiner: Minh D. A

Confirmation No.: 9132

For: ELECTRON-EMITTING DEVICE AND FIELD EMISSION DISPLAY USING THE  
SAME

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

I hereby certify that this correspondence is being deposited with  
the United States Postal Service as first class mail addressed to  
Commissioner for Patents, P.O. Box 1450, Alexandria, VA  
22313-1450 on December 6, 2004.

*Janet M. Stevens*  
Janet M. Stevens

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is  
hereby directed to the references listed on the attached Form PTO-1449.

**The PTO is NOT authorized to charge the undersigned  
representative's deposit account for any fees associated with this IDS.**

December 6, 2004

Date

Respectfully submitted,

Stephen P. Burr  
Reg. No. 32,970

SPB:jms

BURR & BROWN  
P.O. Box 7068  
Syracuse, NY 13261-7068

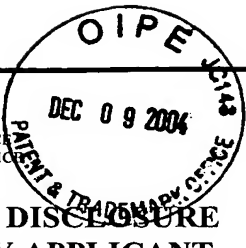
Customer No.: 025191  
Telephone: (315) 233-8300  
Facsimile: (315) 233-8320

Form PTO-1449

US DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

*(use as many sheets as necessary)*



*Complete if Known*

Application Number	10/027,232
Filing Date	December 20, 2001
First Named Inventor	Yukihisa TAKEUCHI
Art Unit	2821
Examiner Name	A, MINH D
Confirmation No.	9132
Attorney Docket No.	782_208

Sheet

1

of


4

**U.S. PATENT DOCUMENTS**

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
	BA	5,874,802	02-23-1999	Choi et al				
	BC	5,280,221	01-18-1994	Okamoto et al.				
	BD	5,747,926	05-05-1998	Nakamoto et al.				
	BE	6,198,225	03-06-2001	Kano et al.				
	BF	6,479,924	11-12-2002	Yoo				
	BG	6,313,815	11-06-2001	Takeda et al.				
	BH	6,285,123	09-04-2001	Yamada et al.				
	BI	5,666,019	09-09-1997	Potter				
	BJ	2002/0060516 A1	05-23-2002	Kawate et al.				
	BK	6,580,108	06-17-2003	Utsumi et al.				
	BL	6,452,328	09-17-2002	Saito et al.				
	BM	6,469,452	10-22-2002	Seo et al.				
	BN	6,359,383	03-19-2002	Chuang et al.				
	BO	6,274,881	08-14-2001	Akiyama et al.				
	BP	6,184,612	02-06-2001	Negishi et al.				
	BQ	6,153,978	11-28-2000	Okamoto				
	BR	6,040,973	03-21-2000	Okamoto et al.				
	BS	5,990,605	11-23-1999	Yoshikawa et al.				
	BT	5,877,594	03-02-1999	Miyano et al.				
	BU	5,729,094	03-17-1998	Geis et al.				
	BV	5,726,524	03-10-1998	Debe				

Examiner:		Date Considered:	
-----------	--	------------------	--

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449  US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>					<b>Complete if Known</b>	
			Application Number	10/027,232		
			Filing Date	December 20, 2001		
			First Named Inventor	Yukihisa TAKEUCHI		
			Art Unit	2821		
			Examiner Name	A, MINH D		
			Confirmation No.	9132		
Sheet	2	of	4	Attorney Docket No.	782_208	

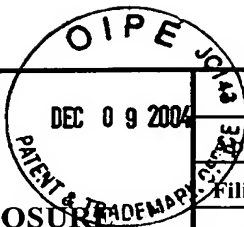
**U.S. RELATED COPENDING APPLICATIONS**

Exam. Initial		Application No.	Filing Date	Publication No.	Publication Date	Inventor Name	Docket No.	Class	Sub Class
	<b>BW</b>	10/374,955	02-25-2003	2004/0100200	05-27-2004	Takeuchi et al.	789_105		
	<b>BX</b>	10/459,110	06-11-2003	2004/0104684	06-03-2004	Takeuchi et al.	789_109 CIP		
	<b>BY</b>	10/459,416	06-11-2003	2004/0104690	06-03-2004	Takeuchi et al.	789_110 CIP		
	<b>BZ</b>	10/459,386	06-11-2003	2004/0104689	06-03-2004	Takeuchi et al.	789_111 CIP		
	<b>CA</b>	10/673,384	09-26-2003	2004/0066133	04-08-2004	Takeuchi et al.	789_116		
	<b>CB</b>	10/671,763	09-26-2003	2004/0061431	04-01-2004	Takeuchi et al.	789_117		
	<b>CC</b>	10/699,186	10-31-2003	2004/0090398	05-13-2004	Takeuchi et al.	789_119		
	<b>CD</b>	10/719,596	11-21-2003	2004/0113561	06-17-2004	Takeuchi et al.	789_121		
	<b>CE</b>	10/459,415	06-11-2003			Takeuchi et al.	789_108 CIP		
	<b>CF</b>	10/647,794	08-25-2003			Takeuchi et al.	789_115		
	<b>CG</b>	10/719,521	11-21-2003			Takeuchi et al.	789_120		
	<b>CH</b>	10/731,901	12-09-2003			Takeuchi et al.	789_122		
	<b>CI</b>	10/808,258	03-24-2004			Takeuchi et al.	789_123		
	<b>CJ</b>	10/901,932	07-29-2004			Takeuchi et al.	789_118 CIP5		
	<b>CK</b>	10/919,678	08-17-2004			Takeuchi et al.	789_133		
	<b>CL</b>	10/919,747	08-17-2004			Takeuchi et al.	789_118 CIP2		
	<b>CM</b>	10/730,754	12/08/2003			Takeuchi et al.	789_118 CIP		
	<b>CN</b>	10/951,509	09/28/2004			Takeuchi et al.	789_118 CIP3		
	<b>CO</b>	10/950,976	09/27/2004			Takeuchi et al.	789_118 CIP6		
	<b>CP</b>	10/951,832	09/28/2004			Takeuchi et al.	789_136		
	<b>CQ</b>	10/952,524	09/28/2004			Takeuchi et al.	789_135		

Examiner:	Date Considered:
-----------	------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

US DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT***(use as many sheets as necessary)**Complete if Known*

Application Number	10/027,232
Filing Date	December 20, 2001
First Named Inventor	Yukihisa TAKEUCHI
Art Unit	2821
Examiner Name	A, MINH D
Confirmation No.	9132
Attorney Docket No.	782_208

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
	<b>CR</b>	11-185600	07-09-1999	JP				
	<b>CS</b>	10-27539 A	01-27-1998	JP				
	<b>CT</b>	11-288249 A	10-19-1999	JP				
	<b>CU</b>	63-150837 A	06-23-1988	JP				
	<b>CV</b>	09-090882 A	04-04-1997	JP				
	<b>CW</b>	59-208587	11-26-1984	JP				
	<b>CX</b>	3160213 B2	02-16-2001	JP				
	<b>CY</b>	0 953 958 A2	11-03-1999	EP				
	<b>CZ</b>	2000-310970 A	11-07-2000	JP				
	<b>DA</b>	02/052600 A1	07-04-2002	WO				
	<b>DB</b>	2675306	10/16/1992	FR				
	<b>DC</b>	2789221	08/04/2000	FR				
	<b>DD</b>	2789223	08/04/2000	FR				
	<b>DE</b>	10057072	05/23/2001	DE				
	<b>DF</b>	0 353 632	02/07/1990	EP				
	<b>DG</b>	3,214,256 B2	07-27-2001	JP				
	<b>DH</b>	05-325777 A1	12-10-1993	JP				
	<b>DI</b>	08-111166 A1	04-30-1996	JP				

Examiner:

Date Considered:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449				<i>Complete if Known</i>	
US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				Application Number	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				10/027,232	
				Filing Date	
				December 20, 2001	
				First Named Inventor	
				Yukihisa TAKEUCHI	
				Art Unit	
				2821	
				Examiner Name	
				A, MINH D	
				Confirmation No.	
				9132	
Sheet				Attorney Docket No.	
4				782_208	

**OTHER DOCUMENTS**  
(Including Author, Title, Date, Pertinent Pages etc.)

	<b>DJ</b>	"Pulsed Electron Source Using a Ferroelectric Cathode," Tokyo Institute of Technology, Vol. 68, No. 5, 7 January 1999, pp. 546-550.
	<b>DK</b>	Puchkarev, Victor F. and Mesyats, Gennady A., "On the Mechanism of Emission from the Ferroelectric Ceramic Cathode," Journal of Applied Physics, Vol. 78, No. 9, 1 November 1995, pp. 5633-5637.
	<b>DL</b>	Riege, H., "Electron Emission from Ferroelectrics - a Review," Nucl. Instr. and Meth. A340, 1994, pp. 80-89.
	<b>DM</b>	Masatoshi Miyake et al., "Electron Emission from Ferroelectric Cathodes Excited by Pulsed Voltage," Tokyo Institute of Technology, Vol. 119, No. 5, 1999 pp. 622-627.
	<b>DN</b>	G. Benedek et al., "Electron Emission From Ferroelectric/Antiferroelectric Cathodes Excited by Short High-Voltage Pulses," Journal Applied Physics, Vol. 81, No. 3, 1 February 1997, pp. 1396-1403
	<b>DO</b>	Gundel, H. et al., "Low Pressure Hollow Cathode Switch Triggered by a Pulsed Electron Beam Emitted From Ferroelectrics," Applied Physics Letter, American Institute of Physics, New York, US Vol. 54, No. 21, 22 May 1989, pp. 2071-2073
	<b>DP</b>	Gundel, H. et al., "Time-Dependent Electron Emission From Ferroelectrics by External Pulsed Electric Fields," Journal of Applied Physics, American Institute of Physics, New York, US Vol. 69, No. 2, 15 January 1991, pp. 975-982
	<b>DQ</b>	Kanemaru, Seigou, "Featuring: All About Flat Displays 2000, Leading Technological Trend of FEDs," Electronic Engineering, Nikkan Kogyo Shimbun, Ltd., July 2000, pp. 38-41 (with partial translation).

Examiner:		Date Considered:	
-----------	--	------------------	--

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.